



Figure 2a (to FER-233). Potentially active faults in the Shiloh Ranch/Brooks Creek study area, based on available mapping others and selected air photo interpretation by Bryant (this report).

MAP EXPLANATION

Potentially Active Faults

Faults considered to have been active during Holocene time and to have a relatively high potential for surface rupture; solid line where accurately located, long dash where approximately located, short dash where inferred, dotted where concealed; query (?) Indicates additional uncertainty. Evidence of historic offset indicated by year of earthquake-associated event or C for displacement caused by creep or possible creep.

Special Studies Zone Boundaries

- These are delineated as straight-line segments that connect encircled turning points so as to define special studies zone segments.
- Seaward projection of zone boundary.

STATE OF CALIFORNIA  
SPECIAL STUDIES ZONES  
Delineated in compliance with  
Chapter 7.5, Division 2 of the California Public Resources Code  
(Alquist-Priolo Special Studies Zones Act)

JIMTOWN QUADRANGLE

REVISED OFFICIAL MAP

Effective: July 1, 1983

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REFERENCES USED TO COMPILE FAULT DATA

- Bryant, W.A., 1982, Healdsburg, Maacama, and related faults, Geyserville, Healdsburg, Jimtown, Mark West Springs, and Mount St. Helena quadrangles: California Division of Mines and Geology Fault Evaluation Report FER-135 (unpublished).
  - Herd, D.C., Helley, E.J., and Rogers, B.W., 1977, Map of Quaternary faulting along the southern Maacama fault zone, California: U.S. Geological Survey Open File Map 77-453, 7 sheets.
  - Huffman, M.E. and Armstrong, C.F., 1980, Geology for planning in Sonoma County: California Division of Mines and Geology Special Report 120, 31 p., 8 plates.
  - McLaughlin, R.J., 1978, Preliminary geologic map and structural sections of the central Mayacmas Mountains and the Geysers steam field, Sonoma, Lake, and Mendocino Counties, California: U.S. Geological Survey Open-file Report 78-389, 2 sheets.
- For additional information on faults in this map area, the rationale used for zoning, and additional references consulted, refer to unpublished Fault Evaluation Reports on file at the San Francisco District Office of CDMG.

IMPORTANT - PLEASE NOTE

- This map may not show all faults that have the potential for surface fault rupture, either within the special studies zones or outside their boundaries.
- Faults shown are the basis for establishing the boundaries of the special studies zones. The identification and location of these faults are based on the best available data. However, the quality of data used is varied. Traces have been drawn as accurately as possible at this map scale.
- Fault information on this map is not sufficient to serve as a substitute for the geologic site investigations (special studies) required under Chapter 7.5 of Division 2 of the California Public Resources Code.